

# *BRUHAT BANGALORE MAHANAGARA PALIKE*

## *YELAHANKA ZONE*

### *DIVISION: BYATARAYANAPURA*

### *SUB DIVISION: KODIGEHALLI*

***Name of Work:*** *Modified Estimate for Improvements to roads and drains at Jakkur Gramatana in ward no.07, Byatarayanapura.*

***Job Code: 007-18-000040***

***Estimated Cost: Rs. 15,00,000.00***
***Modified Amount: Rs. 14,91,522.00***

**BRUHAT BANGALORE MAHANAGARA PALIKE**

**Name of work: Modified Estimate for Improvements to roads and drains at Jakkur Gramatana in ward no.07, Byatarayanapura**

| Sl. | Description of work | Unit | No. | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB M300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neately dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specification. MORTH / Chapter 3 (P.No.133, I.No.19.1 of PW, P&IWTD SR 2016-17) | | | | | | | | |
| | 1st Main Road | | 2 | 80.00 | 0.45 | 0.60 | 43.20 | | |
| | 1st A Cross | | 2 | 24.00 | 0.45 | 0.60 | 12.96 | | |
| | 1st A Cross | | 1 | 24.00 | 0.45 | 0.60 | 6.48 | | |
| | 1st C Cross | | 2 | 45.00 | 0.45 | 0.60 | 24.30 | | |
| | 2nd Main Road | | 2 | 95.00 | 0.45 | 0.60 | 51.30 | | |
| | Road Towards Kashinagara | | 2 | 80.00 | 0.45 | 0.60 | 43.20 | | |
| | Total Qty | | | | | | **181.44** | | |
| | Qty Limited | Cum | | | | | **157.95** | 86.92 | **13729.00** |
| 2 | Providing and constructing load bearing wall with solid concrete solid blocks having block density not less than 18000 Kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confimring to IS 2185 (pART 1):2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materialsincluding cost of all materilas, labour charges, scaffolding, curing complete as per specifications. with solid concrete blocks 400x200x200mm (PWDSR 2016-17, I. 5.27.1, P. 25.1) | | | | | | | | |
| | | | Qty not Executed | | | | | | |
| 3 | KSRB 4-1.2: Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2016-17) | | | | | | | | |
| | Meesehanumnathappa lyt 1st main | | 1 | 186.00 | 0.30 | 0.15 | 8.37 | | |
| | 1st A Cross | | 2 | 24.00 | 0.20 | 0.15 | 1.44 | | |
| | 1st C Cross | | 2 | 45.00 | 0.20 | 0.15 | 2.70 | | |
| | Total Qty | | | | | | **12.51** | | |
| | Qty Limited to | cum | | | | | **12.15** | 5338.35 | **64861.00** |

| Sl. | Description of work | Unit | No. | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| 3 | KSRB4-1.6: Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20 mm and down size graded granite matel coarse aggregates @ 0.69 cum and fine aggragtes @ 0.459cum, machine mixed concrete laid in layers not eceeding 15 cms, thick well compacted, in foundation, plinth and cills including cost of all materials, labour HOM machinery curing complate as per specifications. (Page No. 12. Item No. 4.6 of PW,P&IWTD S.R 2016-17) | | | | | | | | |
| | Meesehanumnathappa lyt 1st main | | 1 | 186.00 | 0.30 | 0.10 | 5.58 | | |
| | 1st A Cross | | 2 | 24.00 | 0.20 | 0.10 | 0.96 | | |
| | 1st C Cross | | 2 | 45.00 | 0.20 | 0.10 | 1.80 | | |
| | Total Qty | | | | | | **8.34** | | |
| | Qty Limited to | cum | | | | | **8.10** | 5338.35 | **43241.00** |
| 4 | Providing and fixing **RCC Precast cover slab of 100mm thick** for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate) | | | | | | | | |
| | Cover Slab | Sqm | | | | | | | |
| | Jakkur Gramatana (SC Colony) 5th B Cross | | 100 | 0.60 | 0.75 | | 45.00 | | |
| | 6th B cross | | 182 | 0.60 | 0.75 | | 81.90 | | |
| | 7th B cross | | 65 | 0.60 | 0.75 | | 29.25 | | |
| | Main Road Damage | | 15 | 0.60 | 0.90 | | 8.10 | | |
| | Meese hanumnathappa layout 1st Main | | 150 | 0.60 | 0.75 | | 67.50 | | |
| | 1st A Cross | | 80 | 0.60 | 0.75 | | 36.00 | | |
| | 1st B Cross | | 40 | 0.60 | 0.75 | | 18.00 | | |
| | 1st C Cross | | 150 | 0.60 | 0.75 | | 67.50 | | |
| | 2nd Main | | 305 | 0.60 | 0.75 | | 137.25 | | |
| | Road Towards Kashinagara | | 107 | 0.60 | 0.75 | | 48.15 | | |
| | Total Qty | | | | | | **538.65** | | |
| | Qty Limited to | | | | | | **493.00** | 2100.00 | **1035300.00** |
| 5 | KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 118, item No. 17.1) | | | | | | | | |
| | | | Qty Vide Item No. 1 | | | | **157.95** | 106.00 | **16743.00** |
| | EIRL | | | | | | | | |

| Sl. | Description of work | Unit | No. | Length m | Breadth m | Depth m | Quantity | Rate in Rs. | Amount in Rs. |
|---|---|---|---|---|---|---|---|---|---|
| E1 | Providing and constructing load bearing wall with solid concrete solid blocks having block density not less than 18000 Kg/m3 having a minimum average compressive strength of 5.00 N/mm2 confimring to IS 2185 (pART 1):2005 and constructed with CM 1:4 as per IS 2572:2005 including cost of all materialsincluding cost of all materilas, labour charges, scaffolding, curing complete as per specifications. with solid concrete blocks 400x200x200mm (PWDSR 2015-16, I. 5.27.1, P. 25.1) | | | | | | | | |
| | 5th B cross | | 1 | 85.00 | | 0.20 | 17.00 | | |
| | 6th B cross | | 2 | 97.00 | | 0.20 | 38.80 | | |
| | 7th B cross | | 2 | 38.50 | | 0.20 | 15.40 | | |
| | main road | | 2 | 146.00 | | 0.20 | 58.40 | | |
| | Meese hanumnathappa layout 1st C Cross | | 2 | 45.00 | | 0.40 | 36.00 | | |
| | Cross Road | | 2 | 7.50 | | 0.40 | 6.00 | | |
| | | | | | | | **171.60** | | |
| | Basic Rate: | Sqm | 937.00 | | | | **171.00** | 993.22 | **169841.00** |
| | Area Weightage @ 6% | | 56.22 | | | | | | |
| | Total | | 993.22 | | | | | | |
| | | | | | | | | | |
| | | | **Total Construction Cost** | | | | | | **1343715.00** |
| | | | **KRIDL Charges @ 10%** | | | | | | **134371.50** |
| | | | **Labour cess charges@ 1%** | | | | | | **13437.00** |
| | | | | | | | | **Total** | **1491523.50** |
| **Certificate.** | | | | | | | | | |

1 The workspot was inspected and work is found to be necessary.
2 The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3 The rates adopted based on the PWD SR, Bangalore circle for year 2016-17.
4 The provisions made in the estimate are necessary and essential.

Assistant Engineer

Assistant Executive Engineer

Executive Engineer

Technical Sanction
Accorded For Rs 1491523.50
Head of A/C ...P3333...
CER NO :.....529..... Dt:.5-11-18

TA, CE (YNK)